

ABSTRACT OF THE DISCLOSURE

An adaptive hybrid automatic repeat request system and method, which comprise (a) transmitting a data frame comprised of a data bit and a parity bit that are channel-coded using a predetermined initial coding rate; (b) receiving the data frame, performing channel decoding of the received data frame, and when an error exists in the channel-decoded data frame, correcting the error; (c) when there is no error in the channel-decoded data frame or the error is corrected, transmitting an ACK message to a transmitting terminal; (d) when the error of the channel-decoded data frame is not corrected, measuring an error degree of a corresponding frame and transmitting a NACK message to which the measured error degree is added, to the transmitting terminal; (e) retransmitting a parity frame that is generated by performing channel coding of a parity bit corresponding to a parity level determined in accordance with the error degree added to the NACK message; and (f) combining the retransmitted parity bit with a data bit of a data frame in which error correction fails and performing channel decoding and error correction.